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Concl'd*

²¹~~61~~. The device of claim ²⁰~~60~~, wherein said second waveguide is positioned vertically on top of said first waveguide.

²²~~62~~. The device of claim ¹⁵~~55~~, further comprising a substrate.

²³~~63~~. The device of claim ¹⁵~~55~~, wherein said device comprises a laser.

²⁴~~64~~. The device of claim ²³~~63~~, wherein said laser comprises at least one quantum well.

²⁵~~65~~. The device of claim ¹⁵~~55~~, wherein at least one of said first waveguide and said second waveguide comprise a grating for reflecting selected frequencies of light.

²⁶~~66~~. The device of claim ¹⁵~~55~~, wherein said device comprises at least one of the following: an optical amplifier and an optical detector.

²⁷~~67~~. The device of claim ¹⁵~~55~~, wherein said device is a photonic integrated circuit.

REMARKS

The purpose of this amendment is to place the application claims in condition for examination.

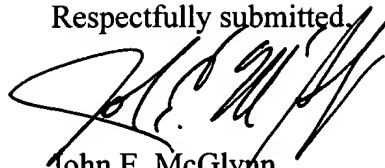
An expediant and favorable first office action is respectfully solicited.

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PATENT

Respectfully submitted,



John E. McGlynn
Registration No. 42,863

Date:

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WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
(215) 568-3100

09982001-101801
FOBTOT "FOO28650"